

33240

S/089/62/012/002/012/013

B102/B138

Criticality stand tests of a ...

18±0.5°C throughout, and its density was 99.7±0.05%. The lower part of the reactor core was provided with a thin reflector which meant that a correction had to be made for the effective height of the core; it was calculated by B. I. Il'ichev and L. A. Martsimova and was almost the same for all types of channel. The addition ΔH to the critical level due to this correction and to the existence of the reflector, was 6±1.5 cm; the addition ΔR to the core radius was 3±0.5 cm. The geometrical parameter

was calculated from the relation $\alpha^2 = \left(\frac{\pi}{H + H} \right)^2 + \left(\frac{2.405}{R + R} \right)^2$, where

H is the height of the core up to the heavy-water level and the tank radius R = 150 cm. α^2 was plotted as a function of lattice pitch for five types of rod. The curves were similar in shape in most cases the α^2 maximum was at a pitch of 24-26 cm, in one case at 23, in another at 27 cm. S. Ya. Nikitin is thanked for help, B. I. Il'ichev for discussions. There are 3 figures, 2 tables, and 3 Soviet references.

SUBMITTED: June 17, 1961

Card 2/3 3

33240

S/089/62/012/002/012/013

B102/B138

Criticality stand tests of a ...

Fig. 1. Test stand for criticality experiments.

Legend: (1) inner tank 3.5 m high, 3 m in diameter coated outside with 0.5 mm Cd. (2) outer tank, (3) connecting pipe, (4) reflux valve, (5), (7) electrically operated gate valves, (6) pump, (8) water shedding valve, (9) dump tank, (10) water gage glass, (11), (13), (15) hand-operated valves, (12) "breather" line, (14) metering tanks with heavy water; (16) control rods (2 scram rods, 1 regulating rod), (17) neutron source, (18) boron neutron counters.

Fig. 2. Working channel.

Legend: (1) Steel attachment for uranium rods, (2) surrounding (Avial') tube, (3) shielding Avial tubes, (4) remote Avial lattice.

Card 3/4 3

ABOV, Yu. G.; KRUPCHITSKIY, P. A.; ORATOVSKIY, Yu. A.

"On the existence of internucleon potential nonconserving space parity."

report submitted for Intl Conf on Low & Medium Energies Nuclear Physics,
Paris, 2-8 Jul 64.

ABOV, Yu.G.; KRUPCHITSKIY, P.A.; ORATCVSKIY, Yu.A.

Existence of an internucleon potential not maintaining spatial
parity. IAd. fiz. 1 no.3:479-489 Mr '65. (MIRA 18:5)

1. Institut teoreticheskoy i eksperimental'noy fiziki Gosudarstven-
nogo komiteta po ispol'zovaniyu atomnoy energii SSSR.

42314-66 ENT-IMP

ACC NR: AP6624675

SOURCE CODE: UR/0070/66/011/004/0695/0698

AUTHOR: Abov, Yu. G.; Aleshko-Ozhevskiy, O. P.; Yermakov, O. N.; Yamzin, I. I.

ORG: Institute of Crystallography, AN SSSR (Institut kristallografi AN SSSR)

TITLE: The generation of a beam of polarized monochromatic neutrons

SOURCE: Kristallografiya, v. 11, no. 4, 1966, 695-698

TOPIC TAGS: neutron beam, ~~reactor neutron~~, neutron polarization, nuclear reactor component, *neutron reaction, thermal neutron, magnetic property*

ABSTRACT: In recent years, investigations of magnetic properties of a substance have made extensive use of polarized thermal neutrons. Heretofore, the Soviet Union had only installations on which the polarized neutrons were generated by reflection from a magnetized cobalt mirror. However, many problems require a polarized beam of monochromatic neutrons. In this article, the authors describe an assembly developed at the ITEF GK IAE jointly with the Institute of Crystallography, AN SSSR (Institut kristallografi AN SSSR). The circuit of the installation is shown in Fig. 1. There is sometimes a need to have a beam of neutrons with an opposite polarization. The authors used the radiofrequency method for the reorientation of spin orientation. A value of 0.98 ± 0.02 was obtained for the spin reorientation probability.

Cord 1/3

UDC: 548.7

L 42814-4
ACC NR: AP6024675

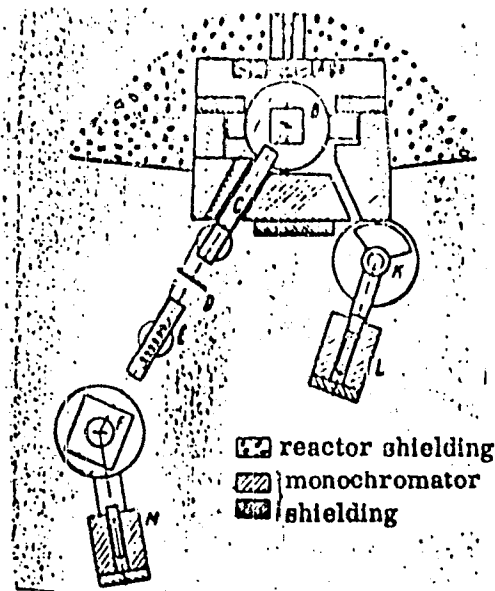


Fig. 1. Circuit of an assembly of two diffraction meters on a reactor channel.

- A - stage of replaceable monochromators
- B - magnet of the crystal-polarizer
- C - first section of the driving field
- D - diaphragm, or "shim"
- E - second section of the driving field with a radiofrequency coil
- F - magnet of the analyzer crystal
- K, L - small diffraction meter
- M - neutron detector of the large diffraction meter

Card 2/3

L 42814-66

ACC NR: AP6024675

Measurements of the polarization and of the probability of its reorientation in the center and at the edge of the beam (± 15 mm from the center) agreed. The authors express their sincere gratitude to V. A. Lyubimtsev, P. M. Shishkin, and S. F. Dubinin for assistance in making the measurements and assuring the operation of the equipment. Orig. art. has: 4 figures and 2 formulas. 3
[26]

SUB CODE: 18/ SUBM DATE: 14Nov64/ ORIG REF: 006/ OTH REF: 005/ ATD PRESS: 5667

Card 3/3 *[Signature]*

ACC NR: AP6030156

(A)

SOURCE CODE: UR/0120/66/000/004/0195/0196

AUTHOR: Abov, Yu. G.; Bulgakov, M. I.; Gul'ko, A. D.; Yermakov, O. N.; Krupchitskiy P. A.; Oratovskiy, Yu. A.; Trostin, S. S.

ORG: Institute of Theoretical and Experimental Physics, GKAE, Moscow (Institut teoreticheskoy i eksperimental'noy fiziki GKAE)

TITLE: Production of polarized beams of thermal neutrons by means of a pile of cobalt mirrors

SOURCE: Priory i tekhnika eksperimenta, no. 4, 1966, 195-196

TOPIC TAGS: neutron beam, thermal neutron, nuclear research reactor, cobalt, neutron polarization, collimator

ABSTRACT: A unit for the production of polarized neutron beams needed for experimental purposes is described. The unit, shown below, consists of a collimator and a pile of cobalt mirrors. The collimator, consisting of 10 convergent slits separated by vertical steel plates, is placed in the horizontal channel of a reactor. Each of the cobalt mirrors is backed by glass and the length of each mirror is made up of three separate units $350 \times 125 \times 3 \text{ mm}^3$ in size. The top and bottom ends of the mirrors are fitted into 10 slots bored through the connecting strips and clamped with wedge clamps so that each mirror has a corresponding slit in the collimator.

Card 1/3

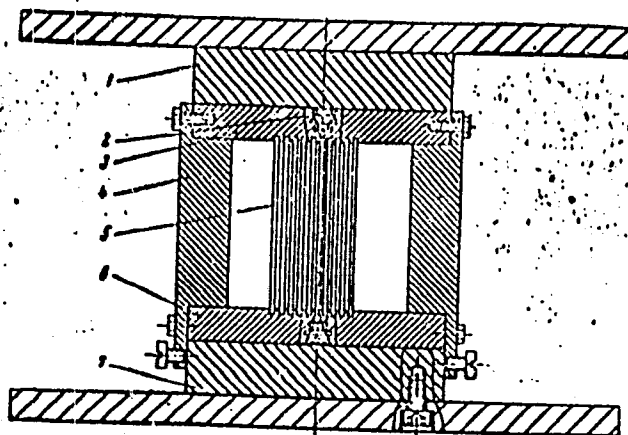
UDC: 539.1.078.539.125.5

ACC NR: AP6030156

The pile of mirrors is set into an electromagnet. The mean angle of beam incidence on a corresponding mirror is 7.5° and all neutron beams reflected by the mirrors converge at a distance of 4.5 m from the pile of mirrors. The incident and reflected beams are separated by means of a sliding screen system made of boron carbide situated near the target. The flow of polarized neutrons on a specimen with an area of $100 \times 10 \text{ mm}^2$ amounted to 3×10^7 neutrons/sec. The degree of neutron beam polarization amounted to — 90%, and the polarization efficiency of 95%. The authors thank V. A. Beketov and N. S. Shatlovskaya for making the cobalt mirrors, Yu. Ya. Garrison for assembling the pile of mirrors, and A. I. Savushkin, V. K. Rissukhin, O. M. Svetlov, and I. L. Karpikhin for helping with the measurements. Orig. art. has: 1 figure.

Card 2/3

ACC NR: AP6030156



1. upper magnetic pole, 2. wedge clamp, 3. upper connecting strip, 4. side wall (brass), 5. cobalt mirror, 6. lower connecting strip, 7. lower magnetic pole

SUB CODE: 20, 18/ SUBM DATE: 31Jul65/ ORIG REF: 001/ OTH REF: 002

Card 3/3

ACC NR: AP6030156

(A)

SOURCE CODE: UR/0120/66/000/004/0195/0196

AUTHOR: Abov, Yu. G.; Bulgakov, M. I.; Gul'ko, A. D.; Yermakov, O. N.; Krupchitskiy, P. A.; Oratovskiy, Yu. A.; Trostin, S. S.

ORG: Institute of Theoretical and Experimental Physics, GKAE, Moscow (Institut teoreticheskoy i eksperimental'noy fiziki GKAE)

TITLE: Production of polarized beams of thermal neutrons by means of a pile of cobalt mirrors

SOURCE: Pribery i tekhnika eksperimenta, no. 4, 1966, 195-196

TOPIC TAGS: neutron beam, thermal neutron, nuclear research reactor, cobalt, neutron polarization, collimator

ABSTRACT: A unit for the production of polarized neutron beams needed for experimental purposes is described. The unit, shown below, consists of a collimator and a pile of cobalt mirrors. The collimator, consisting of 10 convergent slits separated by vertical steel plates, is placed in the horizontal channel of a reactor. Each of the cobalt mirrors is backed by glass and the length of each mirror is made up of three separate units $350 \times 125 \times 3 \text{ mm}^3$ in size. The top and bottom ends of the mirrors are fitted into 10 slots bored through the connecting strips and clamped with wedge clamps so that each mirror has a corresponding slit in the collimator.

Card 1/3

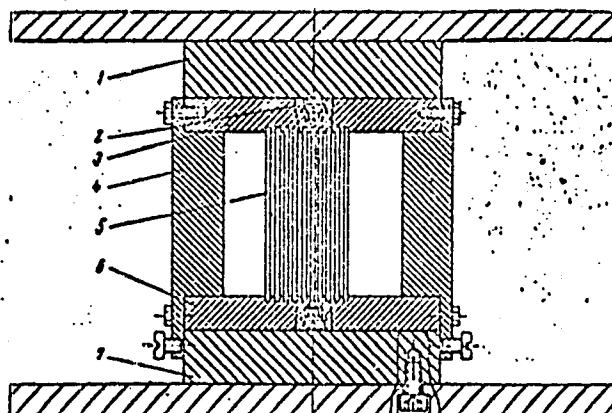
UDC: 539.1.078.539.125.5

ACC NR: AP6030156

The pile of mirrors is set into an electromagnet. The mean angle of beam incidence on a corresponding mirror is 7.5' and all neutron beams reflected by the mirrors converge at a distance of 4.5 m from the pile of mirrors. The incident and reflected beams are separated by means of a sliding screen system made of boron carbide situated near the target. The flow of polarized neutrons on a specimen with an area of $100 \times 10 \text{ mm}^2$ amounted to 3×10^7 neutrons/sec. The degree of neutron beam polarization amounted to — 90%, and the polarization efficiency of 95%. The authors thank V. A. Beketov and N. S. Shatlovskaya for making the cobalt mirrors, Yu. Ya. Garrison for assembling the pile of mirrors, and A. I. Savushkin, V. K. Rissukhin, O. M. Svetlov, and I. L. Karpikhin for helping with the measurements. Orig. art. has: 1 figure.

Card 2/3

ACC NR: AP6030156



1. upper magnetic pole, 2. wedge clamp, 3. upper connecting strip, 4. side wall (brass), 5. cobalt mirror, 6. lower connecting strip, 7. lower magnetic pole

SUB CODE: 20, 18/ SUBM DATE: 31Jul65/ ORIG REF: 001/ OTH REF: 002

Card 3/3

SIMONOV, Ya.P.; SALEPOVA, A.I.; SMIRNOVA, A.I.; SYRTSOVA, Ye.M.;
ABOVICH, P.B.; AYZENBERG, M.M.; MIKHAYLOVA, K.L.; USHAKOVA,
T.V., red.; SERGEYEV, A.N., tekhn. red.

[Handbook on agricultural climatology in Zaporozh'ye Province]
Agroklimaticheskii spravochnik po Zaporozhskoi oblasti. Le-
ningrad, Gidrometeoizdat, 1959. 111 p. (MIRA 17:4)

1. Ukraine. Upravleniye gidrometeorologicheskoy sluzhby.

1. ABOVSKIY, A.P., ENG.
2. USSR (600)
4. Steam Boilers
7. Dead water phase of circulation in steam boiler circuits. Elek.sta. 23 no.9,1952.
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

LEOVSKIY, V.P., inzhener; VEKSMAN, A.M., inzhener; VOLKOV, V.M., inzhener;
MATYSEK, G.V., inzhener.

Unsolved problems in designing industrial buildings for regions
with intensive snowfall. Stroi.prom.32 no.11:30-31. N '54.
(Siberia--Factories--Design and construction) (MIRA 7:11)

ABOVSKIY, V.P., inzhener; SOKOLOVA, K.A., inzhener.

Making porous construction concretes. Sbor. mat. o nov. tekhn.
v strel. 17 no. 1:19-21 '55. (MIRA 8:2)
(Concrete)

ABOVSKIY A. P. inzhener.

On admissible speeds of pressure change in steam boilers. Teplo-
energetika 4 no.9:87-88 3 '57. (MLRA 10:8)
(Steam boilers)

AUTHOR: Abovskiy, A.P., Engineer

SOV/143-58-10-22/24

TITLE: Letters to the Editorial Board; The Method of Calculating the Heat Exchange in Steam Boiler Furnaces

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Energetika, 1958, Nr 10, p 150 (USSR)

ABSTRACT: The author criticizes the article of L.I. Kudryashev and B.I. Shestakov, published in Energetika, 1958, Nr 6, in which a method of calculating the heat exchange in steam boiler furnaces was explained, based on one universal factor β . This factor is the ratio of the thermal load of the radiation surface of the stoker and the heat liberation of the stoker volume. However, the universality of this factor disappears, as soon as the authors compile the dependence for β using statistical data. The factor depends on the type of fuel, the burning process, degree of shielding, etc. If even the influence of some parameters is neglected, then the accuracy of such a method with a universal factor will be small. Additional factors

Card 1/2

Letters to the Editorial Board; The Method of Calculating the
Heat Exchange in Steam Boiler **Furnaces** SOV/143-58-10-22/24

are therefore used in the method of TsKTI-VTI whereby the calculation is made more accurate. The authors present in vain the calculation results for different types of **furnaces** according to their method, comparing it with data, obtained by the standard calculation method. These results convince immediately that the universality of the suggested factor β has vanished.

ASSOCIATION: Odesskoye otdeleniye NTOEP (Odessa Branch of the NTOEP)

Card 2/2

ABOVSKIY, A.P.; VOLKOV, N.F.; GELLER, Z.I.

Concerning the methodology for designing a concentric pipe-type
air preheater. Prom. energ. 15 no.7:48-50 J1 '60. (MIRA 15:1)
(Air preheaters)

ABOVSKIY, A.P.

Letter to the editor. Teploenergetika 9 no.3:93 Mr '62.
(Boilers) (MIRA 15:2)

ABOVSKIY, B.TS.; VOLKOV, Ye.P.; ROZENBERG, A.Ya.

Method for determining the completion of the destruction in a
single viscose apparatus. Khim.volok. no.4:62-64 '59.
(MIRA 13:2)

1. Mogilevskiy zavod.

(Viscose)

ABOVSKIY, B. TS.; SMYKOVA, B. A.

Continuous drying and packing of rope-formed staple fibers.
Khim. volok. no.6:53-55 '62. (MIRA 16:1)

(Rayon—Drying)

BAROCHINA, B.Ya.; KATUSHKIN, V.P.; MINSTER, V.Sh.; ABOVSKIY, B.TS.;
ALEKSANDROVICH, I.F.; ZERNOV, P.N.; SORINA, Ya.M.; DOLGOVA, I.M.;
POZIN, Z.S.; SMYKOV, B.A.

Recovery of carbon disulfide from the steam-air mixture from
centrifugal machines. Khim. volok. no.4:69-70, '64. (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna (for Barochina, Katushkin, Minster). 2. Mogilevskiy zavod
iskusstvennogo volokna (for all except Barochina, Katushkin,
Minster).

124-57-2-2351

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 2, p 123 (USSR)

AUTHOR: Abovskiy, I. P.

TITLE: On the Calculation of Continuous Beams Resting on Elastically Rotating and Elastically Displaced Supports (K raschetu nerazreznykh balok na uprugo-vrashchayushchikhsya i uprugo-pere-meshchayushchikhsya oporakh)

PERIODICAL: Tr. Novosibir. inzh. -stroit. in-ta, 1955, Vol 5, pp 231-244

ABSTRACT: Bibliographic entry

1. Beams--Mathematical analysis

Card 1/1

ABOVSKIY, N.P. [Abovs'kiy, N.P.] (Novosibirsk)

Using the method of consecutive disjunction in investigating the stability of beams on elastic supports. Prikl. mekh. 5 no.3:247-256 '59. (MIRA 13:2)

1. Novosibirskiy inzhenerno-stroitel'nyy institut.
(Girders)

ABOVSKIY, N.P. (Novosibirsk)

Rigidity of compressed bars on elastic supports. Strel.
mekh. i rasch. soor. 3 no.3:30-32 '61. (MIRA 14:6)
(Girders)

VEKSMAN, A.M., inzhener; ABOVSKIY, Y.P.; SHURYGIN, A.A.

Manufacturing prestressed reinforced concrete elements. Nov.tekh.i
perad.op.v stroi. 19 no.4:6-9 Ap '57. (MLRA 10:7)
(Prestressed concrete)

ABOVSKIY, A. P. inzh.

Overturning the circulation in low-pressure steam boilers. Izv.
vys. ucheb. zav.; energ. no. 4:84-90 Ap '58. (MIRA 11:6)

1. Odesskoye otdeleniye Nauchno-tekhnicheskogo obshchestva
energeticheskoy promyshlennosti.
(Boilers)

L 16746-63

EMP(r)/EWT(m)/BDS AFTTC

S/124/63/000/004/040/064

AUTHOR: Abovskiy, N. P. 51

TITLE: Computation of solid plates by the lattice-point method

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 4, 1963, 13, abstract 4V98
(Izv. vyssh. uchebn. zavedeniy. Stro-vo i arkhitekt., no. 2, 1962, 24-32.)

TEXT: The author makes a study of solid plates on rigid supports. The angle of inclination for the n-th intermediate support for the primary field is described in finite differences thus:

$$\left| \frac{\partial w_1}{\partial x} \right| = \frac{9}{n^2} \left(\frac{2}{3} \frac{M_n \lambda_1^2}{D_1} + 4w_{n-1} - w_{n-2} + \frac{4}{27} w_{n-3} \right)$$

Here, λ_1 is the lattice constant; M_n is the support moment; w_{n-1} ...respectively are the sags of the angles of the primary field. Analogously, the angle of inclination for the n-th support of the second field is described, by sags of the angles of the second field. The equations necessary for the solutions of the problem are conveniently solved with the use of prepared tables for load sags and unit moments for Card 1/2

L 16746-63

S/124/63/000/004/040/064

Computation of solid

a basic system -- for example, of the corresponding rectangular plate. The author discusses the possibility of utilizing and enlarging presently available tables. He gives tables of coefficients for a square hinge-supported plate. A numerical example is cited. P. M. Varvak.

[Abstracter's note: Complete translation.]

Card 2/2

GORENSHTEYN, B.V., kand.tekhn.nauk; CHINENKOV, Yu.V., kand.tekhn.nauk;
ABOVSKIY, V.P., inzh.; GUTOVSKIY, E.V., inzh.; NOVIKOV, V.S.,
inzh.; PESHKIN, I.G., inzh.

Use of long cylindrical precast prestressed concrete shells. Prom.
stroil. 40 [i.e. 41] no.4:13-17 Ap '63. (MIRA 16:3)
(Roofs, Shell)

GAYSANYUK, Vasilii Fedorovich, ABOVSKIY, Vladimir Petrovich;
YEROFEYEV, Valentin Ivanovich, kand. tekhn. nauk;
NIKIFOROV, Yuriy Yefimovich, dots.

[Improvement in the preparation and assembling of large-panel buildings; practices of the Korkinskii Housing Construction Combine in the city of Krasnoyarsk] Sovshenstvovanie proizvodstva i montazha krupnopanel'nykh zdaniy; opyt raboty Korkinskogo domostroitel'nogo kombinata v g. Krasnoyarske. Moskva, Strelizdat, 1984. 80 p. (MIRA 18:5)

1. Moscow. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu. TSentral'noye byuro tekhnicheskoy informatsii. 2. Zaminitel' nachal'nika Glavnogo upravleniya po zhilishchnomu i grazhdanskomu stroitel'stvu v gorode Krasnoyarske (for Abovskiy). 3. Glavnyy inzhener Korkinskogo domostroitel'nogo kombinata v gorode Krasnoyarske (for Gaysanyuk). 4. Nachal'nik Korkinskogo domostroitel'nogo kombinata v gorode Krasnoyarske (for Yerofeyev). 5. Krasnoyarskiy politekhnicheskii institut (for Nikiforov).

ABOVYAN, A.V.

Some problems of the epizootiology of the infectious atrophic rhinitis
in swine. Izv. AN Arm. SSR. Biol. nauki 15 no.3:93-98 '62.

(MIRA 15:4)

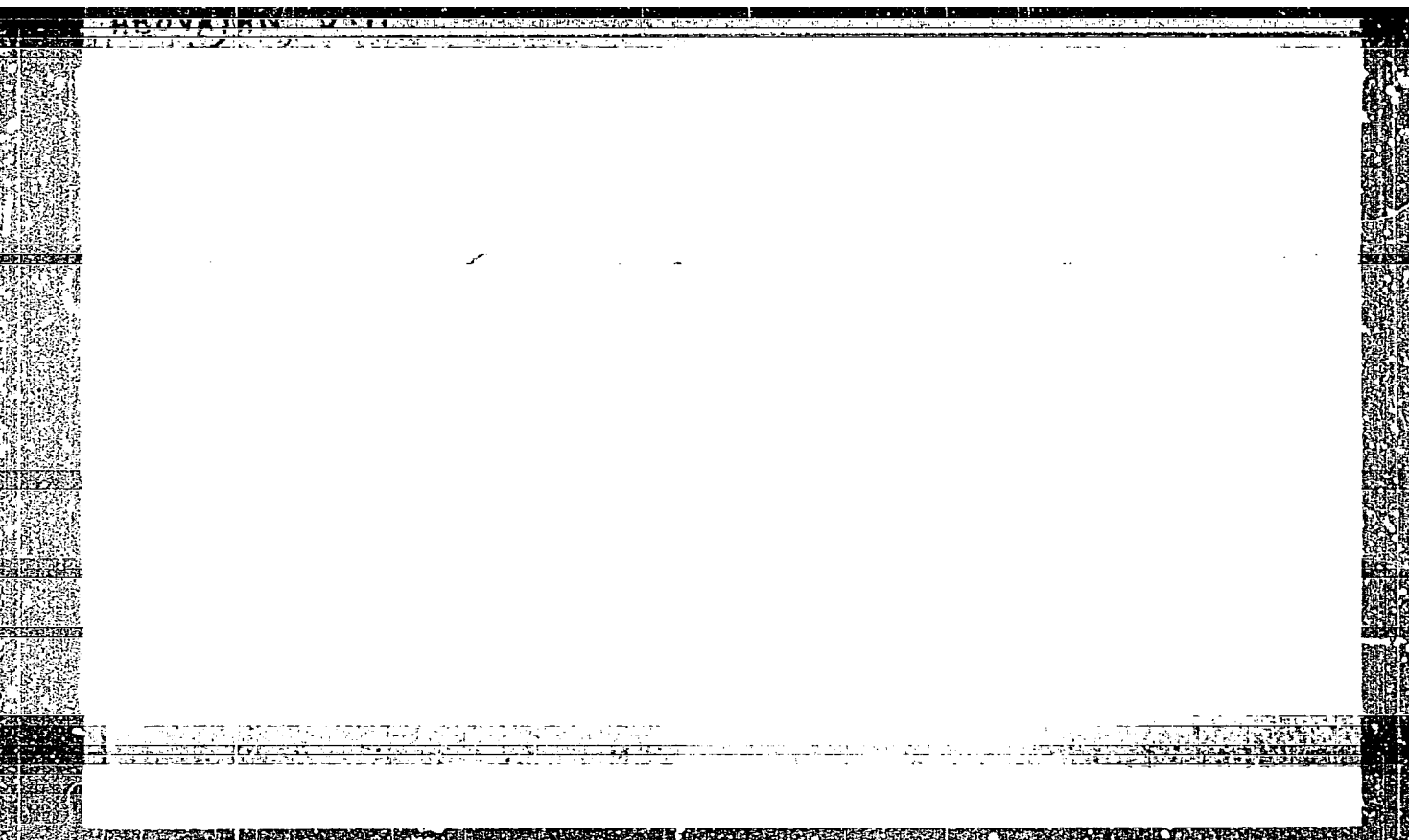
(SWINE--DISEASES AND PESTS)

ABOVYAN, G., inzh.

Vibration resistant push-button starter. Prom.Arm. 5
no.11:40-43 N '62. (MIRA 15:12)
(Electric switchgear)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000100130010-5



APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000100130010-5"

SOV/124-58-1-1157

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 1, p 149 (USSR)

AUTHOR: Abovyan, G. A.

TITLE: Investigation of the Stress Distribution in Rigid Joints of Welded Frameworks (Issledovaniya napryazhennogo sostoyaniya zhestkikh uzlov svarnykh ram)

PERIODICAL: Sb. nauchn. tr. Yerevansk. politekhn. in-t, 1957, Nr 14, pp 21-41

ABSTRACT: Bibliographic entry

Card 1/1

S/173/59/012/04/01/003

AUTHOR: Abovyan, G.A.

TITLE: Load Test of Welded Frames With Curvilinear Rigid Joints

PERIODICAL: Izvestiya Akademii nauk Armyanskoy SSR, Seriya tekhnicheskikh nauk,
1959, Vol. 12, No. 4, pp. 13-22

TEXT: Results of tests carried out on two models of Π -shaped welded I-section frames (Fig. 1) in order to determine the influence of stiffening ribs on the stress and bearing capacity of welded curved frame joints are described. The frames were of equal shape and dimensions but the joints of frame No. 2 (Fig. 1b) were reinforced by radial stiffening ribs. The frames were made of St-3 sheet steel and welding was performed by hand with E42A electrodes. All tests were carried out by a 2.5-ton press. The experimental stand is shown in Figure 2. Deformation of frame No. 1 (Fig. 1a) was measured at loads (F) of 250, 500, 750 and 1,000 kg and deformation of frame No. 2 at 500, 1,000, 1,500, 2,000 and 2,500 kg. The measurements carried out by 10 and 20 mm wire pickups and a 20 mm lever tensiometer are shown in Figure 3. Figures 4 - 7 show the stress distribution diagrams in various points. Frame No. 1 (Fig. 4a) showed plastic deformations in points, 10, 11, 12 and 13 at a 1,150 kg load;

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S/173/59/012/04/01/003

Load Test of Welded Frames With Curvilinear Rigid Joints

frame No. 2 (Fig. 4b) showed plastic deformations at 2,000 kg. Stress distribution in the frame joints is shown in Figure 8 and determined according to Formula 1a 1 in which the following symbols are used: modulus of elasticity (E), Poisson ratio (ν), relative deformations in tangential and radial direction (ϵ_m, ϵ_p), relative deformations at an angle of 45° (ϵ_{45}) and relevant tangential and radial stresses (σ_p, τ_{mp}). Deformation data for frames No. 1 and No. 2 given in Table 1 show clearly that deformations in frame No. 1 were nearly twice as great as in frame No. 2. A diagram for the calculation of frame joints is shown in Figure 9. The irregularity of stress distribution across the inner flange is taken into consideration by introducing its given width $b_{np} = f b_n$ (Fig. 9b) into the assumed section. The transverse stress of flange is determined by: $\sigma_{bend} = k \sigma_m$, with k denoting the transverse stress coefficient according to Ref. 3. [Abstracter's note: Subscript bend is a translation of the original μ_3 (izgib)]. The results obtained by calculations according to formulae 2 - 4 are shown in Figure 8 (dotted line); compared to experimental data (unbroken line), there is only a slight divergence. Tests have proved that, although radial stiffening ribs tend to increase the irregularity of stress distribution in the curvilinear belt, they also increase the rigidity and carrying

Card 2/3

✓C

S/173/59/012/04/01/003

Load Test of Welded Frames With Curvilinear Rigid Joints

capacity of corner joints. There are 9 figures, 1 table and 5 references: 3 are Soviet, 1 English and 1 Italian.

ASSOCIATION: Yerevanskiy politekhnicheskiy institut im. K. Marksa (Yerevan
Polytechnical Institute imeni K. Marx)

SUBMITTED: March 23, 1959

✓C

Card 3/3

ABOVYAN, K.K.

Armenian species and varieties of oleaster. Izv.AN Arm.SSR
Biol.nauki 12 no.5:77-83 My '59. (MIRA 12:9)

1. Argyanskiy sel'skokhozyaystvennyy institut.
(ARMENIA--OLEASTER)

GYUL'BUDAGYAN, L.V.; ABOVYAN, Kh.V.

6-Oxy- and 6-alkoxy- derivatives of 2-methyl-3-(χ -chlorocrotyl)-4-oxyquinoline. Report No.2 [in Armenian with summary in Russian].
Nauch. trudy Brev. un. 60:59-66 '57. (MIRA 11:8)

1.Kafedra organicheskoy khimii Yerevanskogo gosudarstvennogo universiteta.

(Quinoline)

USSR/General Problems of Pathology - Tumors. Human Tumors.

U.

Abs Jour : Ref Zhur - Biol., No 2, 1959, 8856

Author : Abovyan, M.M.

Inst :

Title : Comparative Evaluation of Treatment of Hemangiomas of
the Skin with Radium and Radioactive Cobalt

Orig Pub : V sb.: Rak i predrakovyye zabolevaniya kozhi i sluzn. p. 198-201
Yerevan, 1956, 198-201

Abstract : No abstract.

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- 44 -

ABOV'YAN, M.N.

PANARDZHIAN, V.A., professor; KYANDARYAN, K.A., kandidat meditsinskikh nauk; POPOYAN, S.A., kandidat meditsinskikh nauk; ABOV'YAN, M.N., nauchnyy sotrudnik

Modifications of cardiac function in gamma-irradiation of the brain; roentgenokymographic and electrocardiographic studies. Vest. rent. i rad. no.4:55-57 J1-Ag '54. (MLRA 7:10)

(BRAIN, effect of radiation. on gamma rays, ECG & kymographic changes of heart during irradiation)

(HEART, physiology, eff. of gamma-irradiation of brain, ECG & kymography)

(RADIATIONS, effects, gamma, on brain, ECG & kymographic changes of heart during irradiation)

ABOVYAN, S.B.

Stratigraphy of Eocene deposits of the northeastern coastal
region of Lake Sevan. Dokl.AN Arm.SSR 23 no.1:35-40 '56.

(MLRA 9:11)

1. Institut geologicheskikh nauk Akademii nauk Armyanskoy SSR.
Predstavleno I.G. Magak'yanom.
(Sevan, Lake--Geology, Stratigraphic)

B.I.I.

ABOVYAN, S.B.

ABOVYAN, S.B.; ARUTYUNYAN, G.M.

Magnesite formations from ultrabasic rocks in Armenia and their origin. Izv.AN Arm.SSR.Ser.geol.i geog.nauk 10 no.1:37-42 '57.
(MIRA 10:10)

1. Institut geologicheskikh nauk AN Armyanskoy SSR.
(Armenia--Magnesite)

ABOVYAN, S.B.

~~Some physical properties of the chrome spinellides of Armenia. Izv. AN
Arm. SSR. Ser. geol. i geog. nauk 10 no.3:21-29 '57. (MIRA 10:12)~~

1. Institut geologicheskikh nauk AN ArmSSR.
(Armenia---Spinelis)

ABOV'YAN, S.B.

New minerals in Armenia connected with ultrabasic intrusive rocks.
Izv. AN Arm. SSR. geol. i geog. nauk 10 no.4:47-56 '57.
(MIRA 11:2)

1. Institut geologicheskikh nauk AN ArmSSR. .
(Armenia--Mineralogy)

Shirinyan, K.G.

SHIRINYAN, K.G.; ABOVYAN, S.B.

Pyroxenite debris found in lavas occurring in the gorge of the Arpa-Chay River and its geological significance. Dokl. AN Arm. SSR 26 no.1:47-51 '58. (MIRA 11:5)

1. Institut geologicheskikh nauk Akademii nauk Armyanskoy SSR.
Predstavleno I.G. Magak'yanom.
(Arpa-Chay Valley--Pyroxenite)

ABOVYAN, S.B.

Garnierite-halloysite from the Amasiya antimony-arsenic deposits in Armenia. Dokl. AN Arm. SSR 27 no.2:113-116 '58. (MIRA 11:10)

1. Institut geologicheskikh nauk AN Armyanskoy SSR. Predstavleno I.G. Magak'yanom.

(Amasiya District--Halloysite)

ABOVYAN, Stepan Barsegovich; PAFFENGOL'TS, K.N., otv. red.; VARTANESOVAA,
A.A., red..izd-va; SAROYAN, P.A., tekhn. red.

[Geology and minerals of the northeastern shore of Lake Sevan]
Geologiya i poleznye iskopaemye severo-vostochnogo poberezh'ia
ozera Sevan. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1961.
260 p. (MIRA 15:3)

(Sevan Lake region--Ore deposits)

ABOVYAN, S.B.

Anorthosites of the Shorzha and Dzhil-Satanakhachskogo
gabbro-peridotite massifs in the Armenian S.S.R. Izv. AN Arm.
SSR. Geol. i geog. nauki 14 no. 5:13-22 '61. (MIRA 15:1)

1. Institut geologicheskikh nauk AN Armyanskoy SSR.
(Armenia--Anorthosite)

ABOVYAN, S.B.; MALKHASYAN, E.G.

Rare case of the eruption of a Quaternary volcano through granosyenite intrusion in the Armenian S.S.R. Dokl. AN Arm. SSR 32 no.5:231-234 '61.
(MIRA 14:9)

1. Institut geologicheskikh nauk AN Armyanskoy SSR. Predstavleno akademikom AN Armyanskoy SSR K.N.Paffengol'tsem.
(Bazarchay region--Volcanoes) (Rocks, Igneous)

ABOVYAN, S.B.; BAGDASARYAN, G.P.; KAZARYAN, G.A.; KARAPETYAN, K.I.;
MALKHASYAN, E.G.; MELIKSETYAN, B.M.; MNATSAKANYAN, A.Kh.;
CHIBUKHCHYAN, Z.O.; SHIRINYAN, K.G.; MELKONYAN, R.L., otv.
red.; CHAKHALYAN, TS., tekhn. red.; NUNYAN, S., tekhn. red.

[Chemical composition of igneous and metamorphic rocks in the
Armenian S.S.R.] Khimicheskie sostavy izverzhennykh i metamor-
ficheskikh gornykh porod Armianskoi SSR. [By] S.B. Abovian i dr.
Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 433 p.

(MIRA 16:2)

1. Akademiya nauk Armyanskoy SSR, Erivan. Institut geologicheskikh nauk.

(Armenia--Rocks, Igneous--Analysis)

(Armenia--Rocks, Crystalline and metamorphic--Analysis)

ABOVYAN, S.B.

Gabbro-pegmatites in the ophiolite formation in the Armenian S.S.R.
Izv.AN Arm.SSR. Geol.i geog.nauki 15 no.5:35-46 '62. (MIRA 14:10)
(Armenia--Pegmatites)

ABOVYAN, S.B.

Nickel and cobalt potentials of ultrabasic intrusive rocks on the
northeastern coast of Lake Sevan. Zap.Arm.otd.Vses.min.ob-va
no.2:81-87 '63. (MIRA 16:10)

ABOVYAN, S.B.

Age relationships of ultrabasic and basic intrusive rocks in the
ophiolite formation in the Armenian S.S.R. Zap.Arm.otd.Vses.min.
ob-va no.2:156-162 '63. (MIRA 16:10)

ABOVYAN, E.R.

Large cases of finding chromite mineralization among the gabbro
and diorites of the Armenian S.S.R. Izv. AN Arm. SSR. Nauki
i tekhn. 18 no.2:40-45 '65. (MIRA 18:7)

1. Institut geologicheskikh nauk AN Armianskoy SSR.

KUKUYEV, L.A.; ABOVYAN, V.A.

Critical remarks on certain views on the localization of consciousness (Brain, 1953) Zhur.nevr.i psikh. 54 no.4:362-363 Ap '54.
(MLRA 7:5)

(CONSCIOUSNESS,

*localisation of centers in brain)

(BRAIN, physiology,

*localization of consciousness centers)

ABOVIAN, V.A.

Impregnation of brain cells with silver by using direct current.
Biul.eksp.biol. i med. 42 no.8:78-80 Ag '56. (MLRA 9:11)

1. Iz laboratorii tsitoarkhitektoniki (zav. - prof. Ye.P.Kononova)
Instituta mozga (dir. - deystvitel'nyy chlen AMN SSSR prof. S.A.
Sarkisov) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom
AMN SSSR S.A.Sarksovy.

(BRAIN, anatomy and histology,
silver impregnation of brain cells with constant current
(Rus))

(SILVER,
impregnation of brain cells, with constant current (Rus))

USSR / Human and Animal Morphology (Normal and Pathological).
Nervous System. Central Nervous System.

S

Abs Jour : Ref Zhur - Biologiya, No 9, 1958, No. 40764

Author : Abovyan, V. A.

Inst : Not given

Title : The Particularities of Development of the Cellular
Structure of the Cortex of the Middle Temporal Area
in Man

Orig Pub : Zh. nevropatol. i psikiatrii, 1957, prilozheniye, 37-39

Abstract : It was demonstrated that the development of the cortex
of the middle temporal area is characterized by slow
maturation and complicated differentiation of its consti-
tuent elements.

Card 1/1

KUKUYEV, L.A.; ABOVYAN, V.A.

Use of aminazine in spastic paralysis following insultus [with summary in French]. Zhur.nevr. i psikh. 59 no.2:182-184 '59. (MIRA 12:4)

1. Laboratoriya patologii nervnoy sistemy cheloveka (zav. L.A. Kukuyev) Instituta mozga AMN SSSR i nevrologichskoye otdeleniye (zav. N.V. Pal'tsveyg) bol'nitsy No. 23 im. Medsantrud, Moskva.

(CHLORPROMAZINE, ther. use,
spastic paralysis (Rus))

(PARALYSIS, ther.
chlorpromazine in spastic paralysis (Rus))

KUKUEV, L.A.; MATVEEVA, T.S.; ABOVYAN, V.A.

Pyramidal tract in the system of the motor analyzer. Zhur. nerv. i psikh. 60 no. 2:129-134 '60. (MIRA 14:4)

1. Laboratoriya patologii nervnoy sistemy cheloveka (zav. L.A. Kukuyev) Instituta mozga (dir. - prof. S.A. Sarkisov) AMN SSSR, Moskva.

(PYRAMIDAL TRACT) (MOVEMENT (PHYSIOLOGY))

KUKUYEV, L. A.; MATVEYEVA, T. S.; ABOVYAN, V. A.

Two types of disorders in focal vascular lesions of the brain
beyond the limits of the principal focus. Nauch. trudy Inst.
nevr. AMN SSSR no.1:450-456 '60. (MIRA 15:7)

1. Laboratoriya patologii nervnoy sistemy cheloveka Instituta
mozga AMN SSSR, direktor - prof. S. A. Sarkisov.

(CEREBROVASCULAR DISEASE)

ABGARYAN, E.T., inzh.; ABOVYAN, V.O., inzh.

Testing the heating of large magnetic amplifiers. Vest.
elektroprom. 34 no.7:58-59 J1 '63. (MIRA 16:8)

Abozhik, I.N.

AUTHORS: Kazachkov, M.M. and Abozhik, I.N.

68-12-9/25

TITLE: From Experience of Changing Anchoring Installations on
Operating Coke Oven Batteries. (Opyt zameny ankerazha deystv-
uyushchikh koksovykh batarey)

PERIODICAL: Koks i Khimiya, 1957, No.12, pp. 27 - 28 (USSR)

ABSTRACT: The procedure adopted for replacing the armouring frames
of brickwork and straightening of the anchoring columns on
operating coke oven batteries of the Chelyabinsk Metallurgical
Works is outlined. (Chelyabinskiy Metallurgicheskiy zavod).
There are 3 figures.

ASSOCIATION: Koksokhimmontazh

AVAILABLE: Library of Congress
Card 1/1

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DETERMINATION OF THE DEGREE OF MERCERISATION. V.G. Absin (Trans. Leningrad Chem.-Tech. Inst., 1934, 1, 215-225) Samples (2g.) of mercerized and unmercerized material are soaked in 0.5% H₂SO₄ and wrung out so that 100 wt.% of solution remains absorbed. Samples are heated (oven) at 98° for 1 hr. and Cu nos. are determined. The ratio of the Cu nos. is the criterion of mercerisation. Longer drying increases both Cu nos., but lowers the ration. Ch. Abs. (p)																			
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ABOZIN, V. G.
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25

The interaction of wool and cotton with the sodium salts of leuco indigo during vat dyeing. V. G. Abozin. *Zhur. Obshchei Khim. (J. Gen. Chem.)* 17, 1870-87 (1947).
The electrometric analysis of indigo vats permits quick and accurate detn. of the amts. of indigo, free NaOH, dithionite, and sulfite. The use of phosphate buffers in the dyeing of wool is recommended. Theories previously formulated by Porai-Koshits (cf. *C.A.* 29, 1989¹) are confirmed.
Marshall Sittler -

YEL'TSOV, A.V.; ABOZIN, V.G.

Study of the substantive properties of vat sols. Report No. 1:
Dyeing of cotton with indigosol 04B and indigosol Grey C. Trudy
LTI no.60:159-166 '60. (MIRA 14:6)

1. Kafedra tekhnologii organicheskikh krasiteley Leningradskogo
tekhnologicheskogo instituta imeni Lensovetu.
(Dyes and dyeing--Cotton) (Indigo)

YEL'TSOV, A.V.; ABOZIN, V.G.

Study of the substantive properties of vat sols. Report No.2:
Equilibrium sorption by cotton of some indigosols, of anthrasol
Yellow V, and of the vat sol Gold-Yellow ZhKh. Trudy LTI no.60:
167-182 '60. (MIRA 14:6)

1. Kafedra tekhnologii organicheskikh krasiteley Leningradskogo
tekhnologicheskogo instituta imeni Lensovet. (Dyes and dyeing--Cotton)

YEL'TSOV, A.V.; ABOZIN, V.G.

Study of the substantive properties of vat sols. Report No. 3:
Equilibrium dyeing of cotton with N-methyl derivatives of the
indigosols 04B and Grey C. Trudy LTI no.60:183-189 '60.

(MIRA 14:6)

1. Kafedra tekhnologii krasyashchikh veshchestv Leningradskogo
tekhnologicheskogo instituta imeni Lensovetu.
(Dyes and dyeing--Cotton)

ABOZIN, V.G.; ROMANOVA, M.G.

Redox characteristics and dyeing properties of vat dyes, derivatives of benzanthrone. Zhur.prikl.khim. 35 no.4:843-849 Ap '62.

(MIRA 15:4)

1. Kafedra tekhnologii organicheskikh krasiteley Leningradskogo tekhnologicheskogo instituta imeni Lensoveda.
(Dyes and dyeing) (Benzanthracenone)

ABOZIN, V.G.; ROMANOVA, M.G.; BLOKH, N.V.; GREBENKINA, L.G.

Kinetic study of the dyeing of cellulose fibers with vat
dyes under various alkalinity conditions of the dye bath.
Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 4:108-115
'63. (MIRA 16:11)

1. Leningradskiy tekhnologicheskii institut imeni Lensovrta.

ABOZIN, V.G.; ROMANOVA, M.G.

Effect of the pH value of leuco solution on the redox characteristics
of vat dyes. Zhur.prikl.khim. 35 no.4:850-854 Ap '62.

(MIRA 15:4)

(Dyes and dyeing) (Oxidation-reduction reaction)
(Hydrogen-ion concentration)

ROMANOVA, M.G.; ABOZIN, V.G.

Determination of the dissociation constants of anthrahydroquinones in nonaqueous media. Zhur.prikl.khim. 35 no.2:435-440 F '63. (MIRA 16:3)

1. Leningradskiy tekhnologicheskij institut imeni Lensoveta.
(Anthradiol) (Ionization)

ROMANOVA, M.G.; ABOZIN, V.G.

Acid-base properties of leuco compounds of vat substances and simple dyes. Zhur.prikl.khim. 36 no.2:441-446 F '63. (MIRA 16'3)

1. Leningradskiy tekhnologicheskii institut imeni Lensovetu.
(Dyes and dyeing)

KARPOV, V.V.; ABOZIN, V.G.

Sorption of leucoindigo and leucothioindigo by various substrata.
Zhur.VKHO 9 no.1:117-119 '64. (MIRA 17:3)

1. Leningradskiy tekhnologicheskoy institut imeni Lensovetu.

ABOZIN, V.G.; KARPOV, V.V.

Methods of investigating the acid-base characteristics of vat
acids of indigo and thioindigo. Zhur. prikl. khim. 37 no. 4:
880-885 Ap '64. (MIRA 17:5)

1. Leningradskiy tekhnologicheskii institut imeni Lensoвета.

KARPOV, V.V.; ABOZIN, V.G.

Effect of constituents on the dissociation constants and
spectra of leucothioindigoids. Zhur.prikl. khim. 37 no. 5:
1165-1168 My '64.
(MIRA 17:7)

1. Leningradskiy tekhnologicheskii institut imeni Lencoveta.

ROMANOVA, M.G.; ABOZHI, V.G.; ABRINANI, B.Z.

Acid-base conversion of the teleno compounds of sulfonated vat
dyes of the dibenzanthrene series. Zhur. prikl. khim. 37 no.10:
2268-2278 0 '64.
(MIRA 17:11)

ROMANOVA, M.G.; ABOZIN, V.G.

Dissociation constants of free leuco compounds of certain vat
dyes of the dibenzanthrone series in 50 molar percent dioxane.
Zhur. prikl. khim. 37 no.12:2709-2715 D '64.

(MIRA 18:3)

1. Leningradskiy tekhnologicheskii institut imeni Lensoвета.

ABOZIN, Yu.V.

ROSSIN, S.A.; ABOZIN, Yu.V.

New drug tropacine and its use in treating neurological diseases.
Zhur. nevr. i psikh. 55 no.1:48-49 Ja '55. (MLRA 8:2)

1. Klinika nervnykh bolezney (sav. prof. S.A.Rossin) Severo-
Osetinskogo meditsinskogo instituta.

(NERVOUS SYSTEM, diseases,

ther., musc. relaxant tropacine)

(MUSCLE RELAXANTS, therapeutic use,
tropacine in nervous system dis.)

ABOZIN, Yu.V., inzhener-kapitan 3-go ranga

Methods of activating the cognitive activity of students at
a lesson. Mor. sbor. 49 no.11:41-45 N '65.

(MIRA 18:12)

Abraam, E. P.

USSR/Microbiology - Antibiosis and Symbiosis. Antibiotics

F-2

Abs Jour : Referat Zhurn - Biol. No 16, 25 Aug 1957, 68479

Author : Abraam, E.P., Nyuton, G.G.

Title : Some Chemical and Biological Properties of New
Antibiotics of the Penicillin Group.

Orig Pub : Khim. Nauka i Prom-st, 1956, 1, No 4, 394-405

Abstract : No abstract.

Card 1/1

- 37 -

ABRAAMOV, YU.S.

ABRAAMOV, YU.S. " Investigations of the Mechanics and Kinetics of Structural Transformations in an Alloy Based on Nickel-Chrome." Min Higher Education USSR. Moscow Order of Labor Red Banner Inst of Steel named I.V. Stalin. Moscow, 1956. (Dissertation for the Degree of Candidate in Technical Science)

See: Krasnaya Letopis', No. 18, 1956,

ABRAAMYAN, A.G.

Newly revealed astronomical tables of Ananfi Shirakatsi. Iz
ist. est. i tekhn. 1:50-73 '60. (MIRA 16:12)

ABRAAMYAN, A.G., prof.; AVAKYAN, S.V., red. isd-va; PETROSYAN, A.B.,
red. isd-va; OVASAPYAN, A.A., tekhn. red.

[Anania Shirakatsi's lunar tables] Tablitsy lunnogo kruga
Anania Shirakatsi. Podgotovil k pechatì A.G. Abraamyan.
Erevan, 1962. 108 p. (MIRA 16:8)
(Moon--Tables) (Astronomy, Armenian)

PETROSYAN, G.B.; ABRAAMYAN, A.G.

[Euclidean geometry] Geometriia Evklida. Tekst podgotovili k pechatu G.B.Petrosian i A.G.Abraamian. Erevan, Izd-vo AN Arm.SSR, 1962. 285 p. (MIRA 16:12)

1. Akademiya nauk Armyanskoy SSR, Erivan. Sovet po istorii yestestvoznaniya i tekhniki.

(Geometry)

SHARINOV, L.P.; SHUSTEROV, S.I.; ABRAAMYAN, A.N.

Zoning the area of a nitrogen fertilizer plant. Prom. stol. 42
no.4:23-25 '65. (MIRA 18:4)

ABRAAMYAN, G.S.

Syunik (Zangezur) as a physioogeographical region and its regionalization. Izv. AN Arm. SSR. Geol. i geog. nauki 14 no. 5: 55-60 '61. (MIRA 15:1)

1. Sovet po izucheniyu proizvoditel'nykh sil AN Armyanskoy SSR. (Armenia--Physical geography)

ALEKSANDROV, I.V.; ABRADUSHKIN, Yu.S.

Derivatives of 3-aminophenol. Part 2: O-benzenesulfonyl and O,N-di
(benzenesulfonyl) derivatives of 3-aminophenol and its homologues.
Zhur. ob. khim. 31 no. 11:3610-3614 N '61. (MIRA 14:11)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov
i krasiteley.

(Phenol)

ALEKSANDROV, I.V.; ABRADUSHKIN, Yu.S.; GLAZUNOVA, O.V.; UTKINA, V.V.

Analyzing the formation of azine dyes in color development. Part 3:
Reaction capacity of 3-aminophenol derivatives under color
development conditions. Zhur.nauch. i prikl.fot. i kin. 9 no.2:
102-108 Mr-Ap '64. (MIRA 17:4)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov
i krasiteley (NIOPiK).

ALEKSANDROV, I.V.; ABRADUSHKIN, Yu.S.

Derivatives of 3-aminophenols. Part 3: N-acylaminotoluenesulfonyl and N,O-di (acylamintoluenesulfonyl) derivatives of m-aminophenol and its homologs. Zhur. ob. khim. 34 no.11:3723-3730 N '64
(MIRA 18:1)

1. Nauchno-issledovatel'skiy institut organicheskikh polupro-
duktov i krasiteley.

ABRADZAIKOV, I.

Some characteristics and economic value of the fruit of *Lyceum asclepiadeum* Mill. (tetrastemon). Bulgar. Bot. 9 no.4/5:171-175-1964.

I. Agricultural Faculty, Plovdiv.

USSR/Virology - Human and Animal Viruses.

E-2

Abs Jour : Ref Zhur - Biol., No 8, 1958, 33602

Author : Mishkoltsi, D., Tsiki, O., Vender, V., Abram, Al.,
Veytsug, N., Vagner, K.

Inst : -

Title : Epidemic of Viral Mosquito Encephalitis of Summer's
End and Autumn, Observed in Tyrga-Muresh in 1955.
(Epidemiya virusnogo komarinogo entsefalita kontsa leta-
oseni, nablyudavshayasya v Tyrga Mureshe v 1955 roku).

Orig Pub : Rumynsk. med. obozrenie, 1957, I, No 1, 58-62

Abstract : No abstract.

Card 1/1

Abragam, D. R.

Laboratory investigation of the possibility of crystallizing
sugar without boiling the syrup. Yu. M. Zavislyanskiy,
A. K. Volkovs, and D. R. Abragam. *Trudy Vsesoyuzn.
Nauch.-Issledovatel. Inst. Sakhara, Prilozh. 1953, No. 2, 134*
05: *Russk. Zhur., Khim.* 1953, No. 1398. — Lab. cooling
tests showed the possibility of obtaining cryst. sugar by cooling
the syrup to 30° and seeding with a highly dispersed cryst.
mass.
M. Hersh